

### Abstract

Microstructures and methods of fabricating microstructures are disclosed. One exemplary microstructure, among others, includes a substrate, an overcoat layer disposed upon the substrate, an air-region within at least a portion of the overcoat layer, and a framing material layer engaging at least a portion of the air-region on the inside of the framing material layer and engaging the overcoat layer on the outside of the framing material layer.